

## CLAIMS

1. A composition of matter comprising:  
  
a personal care product; and  
  
a preservative composition, dispersed within the personal care product,  
  
that inhibits growth of microbes within the personal care product, comprising:  
  
wasabia japonica; and  
  
at least one co-preservative selected from the group comprising  
pentyleneglycol, undecylenoyl glycine, and capryloyl glycine.
2. The composition of claim 1, wherein the wasabia japonica comprises  
wasabia japonica root extract.
3. The composition of claim 1, wherein the wasabia japonica is present in a  
concentration of about 0.1% to about 10% by weight of the composition.
4. The composition of claim 1, wherein the wasabia japonica is present in a  
concentration of about 3% to about 6% by weight of the composition.
5. The composition of claim 1, further comprising an additional preservative,  
wherein the wasabia japonica is present in a concentration of from about 0.1% to about  
1% by weight of the composition.

6. The composition of claim 1, wherein the co-preservative is present in a concentration of from about 0.1% to about 10% by weight of the composition.

7. The composition of claim 1, wherein the composition of matter has a pH is a range from about 2 to about 8.

8. The composition of claim 1, wherein the composition of matter has a pH in a range from about 3 to about 7.

9. The composition of claim 1, wherein the composition of matter has a pH in a range from about 5 to about 6.

10. The composition of claim 1, wherein the personal care product comprises a vehicle selected from the group comprising gels, serums, emulsions and solutions.

11. The composition of claim 10, wherein the vehicle comprises an oil-in-water emulsion or a water-in-oil emulsion.

12. The composition of claim 1, wherein the personal care product comprises an emulsion of 50% to 99% in the oil phase and 1% to 50% in the water phase, wherein the wasabi is present in a concentration of from about 0.1% to about 5% by weight of the composition.

13. The composition of claim 1, wherein the composition of matter comprises an emulsion of 1% to 50% in the oil phase and 50% to 100% in the water phase, wherein the wasabi is present in a concentration of from about 0.1% to about 10% by weight of the composition.

14. The composition of claim 1, wherein the personal care product is selected from the group consisting of a lotion, a cleanser, a refiner, a toner, and a cream.

15. A composition of matter comprising:  
a personal care product; and  
a preservative composition for inhibiting the growth of microbes within the personal care product, comprising:  
wasabia japonica; and  
at least one co-preservative comprising at least one of (i) pentylene glycol or (ii) undecylenoyl glycine and capryloyl glycine.

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16. A composition of matter comprising:
- a personal care product; and
- a preservative mixture for inhibiting the growth of microbes within the personal care product, comprising:
- undecylenoyl glycine, and
- capryloyl glycine.
17. The composition of claim 16, wherein the preservative mixture is present in a concentration of from about 0.1% to about 10% by weight of the composition.
18. The composition of claim 16, wherein the composition of matter has a pH in a range from about 3 to about 7.
19. The composition of claim 16, wherein the composition of matter has a pH in a range from about 5 to about 6.
20. The composition of claim 16, wherein the personal care product comprises a vehicle selected from the group comprising gels, serums, emulsions and solutions.
21. The composition of claim 20, wherein the vehicle comprises an oil-in-water emulsion or a water-in-oil emulsion.

22. The composition of claim 16, wherein the vehicle comprises an emulsion of 50% to 99% in the oil phase and 1% to 50% in the water phase.

23. The composition of claim 16, wherein the vehicle comprises an emulsion of 1% to 50% in the oil phase and 50% to 100% in the water phase.

24. The composition of claim 16, wherein the personal care product is selected from the group comprising a lotion, a cleanser, a refiner, a toner, and a cream.

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25. A method for inhibiting microbial growth in a personal care product, comprising:

mixing together a personal care product, wasabia japonica, and at least one co-preservative selected from the group comprising pentylene glycol, undecylenoyl glycine, and capryloyl glycine.

26. The method of claim 25, wherein the personal care product is selected from the group consisting of a lotion, a cleanser, a refiner, a toner, and a cream.

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